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NOTICE OF ALLOWANCE AND FEE(S) DUE

2119 7590 12/19/2008

RONALD E. GREIGG GREIGG & GREIGG P.L.L.C. 1423 POWHATAN STREET, UNIT ONE ALEXANDRIA. VA 22314 EXAMINER HOGAN, JAMES SEAN

PAPER NUMBER

ART UNIT

DATE MAILED: 12/19/2008

| | APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. | |
|---|-----------------|-------------|----------------------|---------------------|------------------|--|
| Ī | 10/521,180 | 05/25/2005 | Werner Teschner | R.303058 | 8529 | |

TITLE OF INVENTION: FUEL INJECTION VALVE FOR INTERNAL COMBUSTION ENGINES

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | NO | \$1510 | \$300 | \$0 | \$1810 | 03/19/2009 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

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B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FFE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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| appropriate. All further indicated unless correcte maintenance fee notifical | correspondence includir ed below or directed oth tions. | or transm ng the Pat nerwise in | ent, advance or Block 1, by (a | rders and notification of a) specifying a new cor | of m cresp | aintenance fees w ondence address; | ill be and/or | mailed to the current (b) indicating a sepa | correspondence rate "FEE ADI | e address as DRESS" for |
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| | EIGG P.L.L.C. AN STREET, UNIT | | | | | Cort | ificate | of Mailing or Trans: Transmittal is being ficient postage for first SUE FEE address 273-2885, on the d | mission | |
| ALEXANDRIA | , VA 22314 | | | L | | | | | (Dej | positor's name) |
| | | | | L | | | | | | (Signature) |
| | | | | L | | | | | | (Date) |
| APPLICATION NO. | FILING DATE | | | FIRST NAMED INVENT | OR | | ATTO | RNEY DOCKET NO. | CONFIRMATI | ION NO. |
| 10/521,180 TITLE OF INVENTION | 05/25/2005 : FUEL INJECTION V/ | ALVE FOI | R INTERNAL O | Werner Teschner COMBUSTION ENGIN | NES | | | R.303058 | 8529 | |
| APPLN, TYPE | SMALL ENTITY | ISSU | E FEE DUE | PUBLICATION FEE DU | Œ | PREV. PAID ISSUE | FEE | TOTAL FEE(S) DUE | DATE | DUE |
| nonprovisional | NO | | \$1510 | \$300 | | \$0 | | \$1810 | 03/19/ | 2009 |
| EXAM | INER | AF | RT UNIT | CLASS-SUBCLASS | | | | | | |
| HOGAN, JA | MES SEAN | | 3752 | 239-088000 | _ | | | | | |
| "Fee Address" ind. PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A | ondence address (or Cha 3/122) attached. ication (or "Fee Address 12 or more recent) attach ND RESIDENCE DATZ less an assignee is ident h in 37 CFR 3.II. Comp | nge of Co " Indicationed. Use of | or form f a Customer PRINTED ON | | native native or ag attorn be p | 3 registered patent ely, firm (having as a gent) and the name neys or agents. If a rrinted. | membes of u | er a 2 | ocument has be | |
| Please check the appropr | iate assignee category or | categorie | s (will not be pr | inted on the patent): | 0 | Individual 🚨 Co | rporati | on or other private gro | up entity 🗖 (| Jovernment |
| 4a. The following fee(s): Issue Fee Publication Fee (N Advance Order - 4 | o small entity discount p | oermitted) | | b. Payment of Fee(s): (F A check is enclose Payment by credit The Director is her overpayment, to De | d. card | l. Form PTO-2038 | is atta | ched. | | dit any this form). |
| | s SMALL ENTITY state | is. See 37 | | b. Applicant is no | | | | | | |
| NOTE: The Issue Fee an interest as shown by the | d Publication Fee (if req records of the United Sta | uired) will tes Patent | not be accepted and Trademark | d from anyone other that Office. | an th | e applicant; a regi | stered a | attorney or agent; or th | e assignee or ot | her party in |
| Authorized Signature | | | | | | Date | | | | |
| Typed or printed name | e | | | | | Registration N | o | | | |
| This collection of inform an application. Confident submitting the complete this form and/or suggesti Box 1450, Alexandria, V Alexandria, Virginia 223 | ation is required by 37 C tiality is governed by 35 d application form to the ons for reducing this but firginia 22313-1450. DC 13-1450. | FR 1.311. U.S.C. 12 USPTO. rden, shou O NOT SE | The information 22 and 37 CFR Time will vary old be sent to the ND FEES OR 6 | on is required to obtain 1.14. This collection is depending upon the in e Chief Information Of COMPLETED FORMS | or re esti- divi- ficer 5 TO | tain a benefit by the mated to take 12 m dual case. Any co c, U.S. Patent and THIS ADDRESS | ne publ ninutes mment Fraden . SENI | ic which is to file (and to complete, includin s on the amount of tin hark Office, U.S. Depo O TO: Commissioner | by the USPTO g gathering, pro you require urtment of Com or Patents, P.O | to process) paring, and to complete merce, P.O. Box 1450, |

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| 2119 | 7590 | 12/19/2008 | | EXAMINER | | | |
| RONALD E. | GREIGG | | HOGAN, JA | HOGAN, JAMES SEAN | | | |
| GREIGG & G | | | ART UNIT | PAPER NUMBER | | | |
| 1423 POWHA ALEXANDRI | | EET, UNIT ONE 14 | 3752 | | | | |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 273 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 273 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

Application No. Applicant(s) 10/521,180 TESCHNER ET AL. Notice of Allowability Examiner Art Unit JAMES S HOGAN 3752 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. 1. This communication is responsive to amendment filed. The allowed claim(s) is/are 17,20-22,30-33,35 and 36. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). b) ☐ Some* c) ☐ None of the: a) 🔯 All 1. A Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. | Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date Information Disclosure Statements (PTO/SB/08). 7. X Examiner's Amendment/Comment Paper No./Mail Date 4. T Examiner's Comment Regarding Requirement for Deposit 8. T Examiner's Statement of Reasons for Allowance of Biological Material Other . /Len Tran/ Supervisory Patent Examiner, Art Unit 3752

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DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes
and/or additions be unacceptable to applicant, an amendment may be filed as provided
by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be
submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Ronald Greigg on December 8, 2008.

The application has been amended as follows: claims 23-29 and 34 are cancelled.

Response to Arguments

 Applicant's arguments see Applicant Arguments, filed November 17, 2008, with respect to Claim 17, and all claims depending from it have been fully considered and are persuasive. The rejection of claim17, as amended has been withdrawn.

Allowable Subject Matter

2. Claims 17 and 20-22, 30-33, 35 and 36 are allowed.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JAMES S. HOGAN whose telephone number is (571)272-4902. The examiner can normally be reached on Mon-Fri, 6:00a-3:00p EST.

Art Unit: 3752

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Len Tran can be reached on (571)272-1184. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/J. S. H./

Examiner, Art Unit 3752

/Len Tran/

Supervisory Patent Examiner, Art Unit 3752